

This document provides additional assistance with wiring your Extron IP Link enabled product to your device. Different components may require a different wiring scheme than those listed below.

For complete operating instructions, refer to the user's manual for the specific Extron IP Link enabled product or the controlled device manufacturer supplied documentation.

Device Specifications:

Device Type: Receiver
Manufacturer: Yamaha
Firmware Version: N/A
Model(s): RX-V2300, RX-V3300

Version History:

Driver Version	Date	IP Link Compiler	GC Version	Notes
1	10/28/2013	1.6.0	3.5.1	Initial version.

Driver Notes:

- Driver has been optimized for Volume.

IP Link® Device Interface Communication Sheet

Control Commands & States:

Audio Mute	On	Off	
Input	V-AUX	PHONO	CD
	Tuner	CD-R	MD/TAPE
	DVD	Input DTV	Cable
	SAT	VCR1	VCR2
	VCR-3		
Input Mode	Auto	RF	DTS
	Digital	Analog	AAC
Main Zone	On	Off	
Master Volume (Discrete)	-100 to 0 in steps of 1		
Master Volume (Step)	Up	Down	
Power Control	On	Off	
Preset Recall	A to F		
Preset Save	A to F		
Tuner Band	FM	AM	
Tuner Page	A to E		
Tuner Preset	1 to 8		
Zone 2 Audio Mute	On	Off	
Zone 2 Input	V-AUX	PHONO	CD
	Tuner	CD-R	MD/TAPE
	DVD	Input DTV	Cable
	SAT	VCR1	VCR2
	VCR-3		
Zone 2 Power	On	Off	
Zone 2 Volume (Discrete)	-80 to 0 in steps of 1		
Zone 2 Volume (Step)	Up	Down	

IP Link® Device Interface Communication Sheet

Status Available:

Audio Mute	On	Off	
Connection Status	Connected	Disconnected	
Input	V-AUX	PHONO	CD
	Tuner	CD-R	MD/TAPE
	DVD	Input DTV	Cable
	SAT	VCR1	VCR2
	VCR-3		
Input Mode	Auto	DTS	Analog
	AAC		
Main Zone	On	Off	
Master Volume (Discrete)	-100 to 0 in steps of 1		
Power Control	On	Off	
Preset Recall	A to F		
Preset Save	A to F		
Tuner Band	FM	AM	
Tuner Page	A to E		
Tuner Preset	1 to 8		
Zone 2 Audio Mute	On	Off	
Zone 2 Input	V-AUX	PHONO	CD
	Tuner	CD-R	MD/TAPE
	DVD	Input DTV	Cable
	SAT	VCR1	VCR2
	VCR-3		
Zone 2 Power	On	Off	
Zone 2 Volume (Discrete)	-80 to 0 in steps of 1		

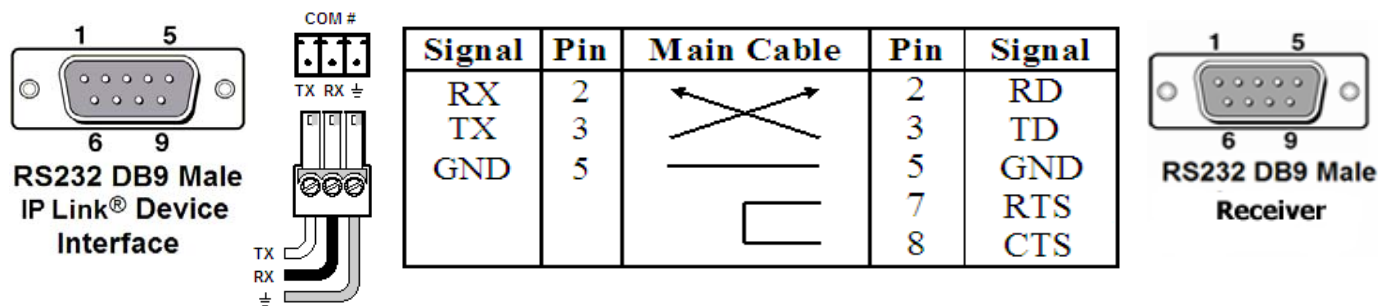
IP Link® Device Interface Communication Sheet

MLC60 Series Supported Commands:

Audio Mute	On	Off	
Input	V-AUX Tuner DVD SAT VCR-3	PHONO CD-R Input DTV VCR1	CD MD/TAPE Cable VCR2
Input Mode	Auto Digital	RF Analog	DTS AAC
Main Zone	On	Off	
Master Volume (Discrete)	-100 to 0 in steps of 1		
Master Volume (Step)	Up	Down	
Power Control	On	Off	
Preset Recall	A to F		
Preset Save	A to F		
Tuner Band	FM	AM	
Tuner Page	A to E		
Tuner Preset	1 to 8		
Zone 2 Audio Mute	On	Off	
Zone 2 Input	V-AUX Tuner DVD SAT VCR-3	PHONO CD-R Input DTV VCR1	CD MD/TAPE Cable VCR2
Zone 2 Power	On	Off	
Zone 2 Volume (Discrete)	-80 to 0 in steps of 1		
Zone 2 Volume (Step)	Up	Down	

Cable and Adapter Requirements:

F/F RS232 DB9 Null Modem cable

Notes for the Device:**Serial communication:****Port Type:** RS-232**Baud Rate:** 9600**Data Bits:** 8**Parity:** None**Stop Bits:** 1**Flow Control:** None**Pin Assignments Diagram:**

Note: Captive screw connector may also be used as a serial connection.

General Notes: